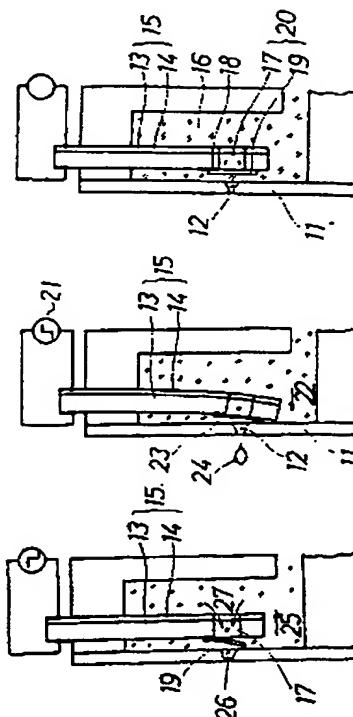


Patent Abstracts of Japan

TITLE : INK JET HEAD



CONSTITUTION: When a voltage 21 is applied to a piezoelectric element 13, the element 13 is contracted, a pressure generating member 15 is deformed to the direction 22 of a nozzle by the bimetal action composed with a metal plate 14. Then, the pressure of ink presented in a gap 23 between the member 15 and a nozzle forming board 11 is enhanced, and ink droplet 24 is discharged from a nozzle 12. The recovery of the suction of a nozzle meniscus 26 after discharging is performed by the supply of ink corresponding to the deformation to the direction 25 of the member 15 by the ink flow 27 through a hole 17 passing the member 17 due to the deformation of a elastic sheet 19. This fluid rectifying element is composed only of a hole 17 passing the member 15 and the sheet 19 to provide a simple structure, thereby facilitating the manufacture thereof.

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